

	Type	Hits	Search Text	DBs	Time Stamp	Comments	Error Definition
1	IS&R	3	((("5491081") or ("6096944") or ("6162967"))).PN.	USPAT	2003/04/23 10:11		
2	BRS	23	scn and sds and soybean	USPAT	2003/04/23 10:28		
3	BRS	1	rhg1 and soybean	USPAT	2003/04/23 10:54		
4	BRS	3	Rhg4 and soybean	USPAT	2003/04/23 10:54		

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09/17/2,134

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TERMINAL (ENTER 1, 2, 3, OR ?):2

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NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2	Apr 08	"Ask CAS" for self-help around the clock
NEWS	3	Jun 03	New e-mail delivery for search results now available
NEWS	4	Aug 08	PHARMAMarketLetter(PHARMAML) - new on STN
NEWS	5	Aug 19	Aquatic Toxicity Information Retrieval (AQUIRE) now available on STN
NEWS	6	Aug 26	Sequence searching in REGISTRY enhanced
NEWS	7	Sep 03	JAPIO has been reloaded and enhanced
NEWS	8	Sep 16	Experimental properties added to the REGISTRY file
NEWS	9	Sep 16	CA Section Thesaurus available in CAPLUS and CA
NEWS	10	Oct 01	CASREACT Enriched with Reactions from 1907 to 1985
NEWS	11	Oct 24	BEILSTEIN adds new search fields
NEWS	12	Oct 24	Nutraceuticals International (NUTRACEUT) now available on STN
NEWS	13	Nov 18	DKILIT has been renamed APOLLIT
NEWS	14	Nov 25	More calculated properties added to REGISTRY
NEWS	15	Dec 04	CSA files on STN
NEWS	16	Dec 17	PCTFULL now covers WP/PCT Applications from 1978 to date
NEWS	17	Dec 17	TOXCENTER enhanced with additional content
NEWS	18	Dec 17	Adis Clinical Trials Insight now available on STN
NEWS	19	Jan 29	Simultaneous left and right truncation added to COMPENDEX, ENERGY, INSPEC
NEWS	20	Feb 13	CANCERLIT is no longer being updated
NEWS	21	Feb 24	METADEx enhancements
NEWS	22	Feb 24	PCTGEN now available on STN
NEWS	23	Feb 24	TEMA now available on STN
NEWS	24	Feb 26	NTIS now allows simultaneous left and right truncation
NEWS	25	Feb 26	PCTFULL now contains images
NEWS	26	Mar 04	SDI PACKAGE for monthly delivery of multifile SDI results
NEWS	27	Mar 19	APOLLIT offering free connect time in April 2003
NEWS	28	Mar 20	EVENTLINE will be removed from STN
NEWS	29	Mar 24	PATDPAFULL now available on STN
NEWS	30	Mar 24	Additional information for trade-named substances without structures available in REGISTRY
NEWS	31	Apr 11	Display formats in DGENE enhanced
NEWS	32	Apr 14	MEDLINE Reload
NEWS	33	Apr 17	Polymer searching in REGISTRY enhanced
NEWS	34	Apr 21	Indexing from 1947 to 1956 being added to records in CA/CAPLUS
NEWS	35	Apr 21	New current-awareness alert (SDI) frequency in WPIDS/WPINDEX/WPIX

NEWS EXPRESS	April 4 CURRENT WINDOWS VERSION IS V6.01a, CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP), AND CURRENT DISCOVER FILE IS DATED 01 APRIL 2003
NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS INTER	General Internet Information
NEWS LOGIN	Welcome Banner and News Items
NEWS PHONE	Direct Dial and Telecommunication Network Access to STN
NEWS WWW	CAS World Wide Web Site (general information)

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\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 09:07:42 ON 23 APR 2003

=> FIL AGRICOLA BIOSIS CAPLUS EMBASE  
COST IN U.S. DOLLARS

FULL ESTIMATED COST

SINCE FILE	TOTAL
ENTRY	SESSION
0.21	0.21

FILE 'AGRICOLA' ENTERED AT 09:07:46 ON 23 APR 2003

FILE 'BIOSIS' ENTERED AT 09:07:46 ON 23 APR 2003  
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=> s Rhg4 and soybean  
L1 40 RHG4 AND SOYBEAN

=> dup rem l1  
PROCESSING COMPLETED FOR L1  
L2 18 DUP REM L1 (22 DUPLICATES REMOVED)

=> d ti 1-  
YOU HAVE REQUESTED DATA FROM 18 ANSWERS - CONTINUE? Y/(N):y

L2 ANSWER 1 OF 18 AGRICOLA DUPLICATE 1  
TI Quantitative trait loci in two **soybean** recombinant inbred line  
populations segregating for yield and disease resistance.

L2 ANSWER 2 OF 18 AGRICOLA DUPLICATE 2  
TI A physical map of a gene-dense region in **soybean** linkage group  
A2 near the black seed coat and **Rhg4** loci.

L2 ANSWER 3 OF 18 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.  
TI Resistance to **soybean** cyst nematode: An Xa21-like gene family  
that requires possible dimerisation for signal transduction.

L2 ANSWER 4 OF 18 CAPLUS COPYRIGHT 2003 ACS  
TI Nucleic acid molecules and other molecules associated with **soybean**  
cyst nematode resistance

L2 ANSWER 5 OF 18 AGRICOLA DUPLICATE 3  
TI Physical mapping of resistant and susceptible **soybean** genomes  
near the **soybean** cyst nematode resistance gene **Rhg4**.

L2 ANSWER 6 OF 18 AGRICOLA DUPLICATE 4  
TI 'Forrest' resistance to the **soybean** cyst nematode is bigenic:  
saturation mapping of the Rhg1 and **Rhg4** loci.

L2 ANSWER 7 OF 18 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.  
TI Resistance to **soybean** cyst nematode: Bigenic inheritance and  
clustering with resistance to Fusarium solani.

L2 ANSWER 8 OF 18 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. DUPLICATE  
5  
TI Conversion of AFLP bands into high-throughput DNA markers.

L2 ANSWER 9 OF 18 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.

TI Evolution of resistance breakdown and gene evolution: **Soybean**  
cyst nematode and rhg1.

L2 ANSWER 10 OF 18 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.  
TI Resistance to **soybean** cyst nematode: Bigenic inheritance and  
clustering with resistance to *Fusarium solani*.

L2 ANSWER 11 OF 18 AGRICOLA DUPLICATE 6  
TI High-throughput genotyping for a polymorphism linked to **soybean**  
cyst nematode resistance gene **Rhg4** by using Taqman probes.

L2 ANSWER 12 OF 18 AGRICOLA DUPLICATE 7  
TI Selecting **soybean** cultivars for dual resistance to  
**soybean** cyst nematode and sudden death syndrome using two DNA  
markers.

L2 ANSWER 13 OF 18 AGRICOLA  
TI Targeted isolation of simple sequence repeat markers through the use of  
bacterial artificial chromosomes.

L2 ANSWER 14 OF 18 AGRICOLA DUPLICATE 8  
TI Molecular markers residing close to the **Rhg4** locus conferring  
resistance to **soybean** cyst nematode race 3 on linkage group A of  
**soybean**.

L2 ANSWER 15 OF 18 AGRICOLA DUPLICATE 9  
TI The early enod2 and the leghemoglobin (lbc3) genes segregate independently  
from other known **soybean** symbiotic genes.

L2 ANSWER 16 OF 18 AGRICOLA DUPLICATE 10  
TI Genetic mapping of **soybean** cyst nematode race-3 resistance loci  
in the **soybean** PI 437.654.

L2 ANSWER 17 OF 18 AGRICOLA DUPLICATE 11  
TI **Soybean** resistance to **soybean** cyst nematode race 3 is  
conditioned by an additional dominant gene.

L2 ANSWER 18 OF 18 AGRICOLA DUPLICATE 12  
TI Molecular markers located proximal to the **soybean** cyst nematode  
resistance gene, **Rhg4**.

=> d 3

L2 ANSWER 3 OF 18 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.  
AN 2002:475537 BIOSIS  
DN PREV200200475537  
TI Resistance to **soybean** cyst nematode: An Xa21-like gene family  
that requires possible dimerisation for signal transduction.  
AU Meksem, Khalid (1); Jamai, Aziz (1); Ruben, Eliza (1); Triwitakorn,  
Kanokporn (1); Ishihara, Hirofumi (1); Zobrist, Kimberly (1); Lightfoot,  
David A. (1)  
CS (1) Department of Plant, Soil and General Agriculture, Southern Illinois  
University at Carbondale, Room 176, Carbondale, IL, 62901-4415 USA  
SO Nematology, (2002) Vol. 4, No. 2, pp. 147. print.  
Meeting Info.: Fourth International Congress of Nematology Programme and  
Abstracts Tenerife, Canary Islands, Spain June 08-13, 2002  
ISSN: 1388-5545.  
DT Conference  
LA English

=> d 4

L2 ANSWER 4 OF 18 CAPLUS COPYRIGHT 2003 ACS  
AN 2001:526188 CAPLUS  
DN 135:117954  
TI Nucleic acid molecules and other molecules associated with **soybean**  
cyst nematode resistance  
IN Hauge, Brian M.; Wang, Ming Li; Parsons, Jeremy D.; Parnell, Laurence D.

PA Monsanto Company, USA  
SO PCT Int. Appl., 1353 pp.  
CODEN: PIXXD2  
DT Patent  
LA English  
FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001051627	A2	20010719	WO 2001-US552	20010105
	WO 2001051627	A3	20020620		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,  
CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR,  
HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT,  
LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU,  
SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU,  
ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM  
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,  
DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,  
BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

PRAI US 2000-174880P P 20000107

=> d 9

L2 ANSWER 9 OF 18 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.  
AN 2001:448139 BIOSIS  
DN PREV200100448139  
TI Evolution of resistance breakdown and gene evolution: **Soybean**  
cyst nematode and rhg1.  
AU Lightfoot, D. A. (1); Ruben, E. (1); Triwitakorn, K. (1); Aziz, J. (1);  
Afzal, J. (1); Meksem, K. (1); Arelli, P. R.  
CS (1) Soybean Center for Excellence, Dept. Plant Soil and Gen. Ag., So. IL  
Univ., Carbondale, IL, 62901: ga4082@siu.edu, ga4082@siu.edu,  
ga4082@siu.edu, ga4082@siu.edu, ga4082@siu.edu, ga4082@siu.edu USA  
SO Phytopathology, (June, 2001) Vol. 91, No. 6 Supplement, pp. S169. print.  
Meeting Info.: Joint Meeting of the American Phytopathological Society,  
the Mycological Society of America, and the Society of Nematologists Salt  
Lake City, Utah, USA August 25-29, 2001  
ISSN: 0031-949X.  
DT Conference  
LA English  
SL English

=> d 5

L2 ANSWER 5 OF 18 AGRICOLA DUPLICATE 3  
AN 2002:39261 AGRICOLA  
DN IND23272279  
TI Physical mapping of resistant and susceptible **soybean** genomes  
near the **soybean** cyst nematode resistance gene **Rhg4**.  
AU Lewers, K.S.; Nilmalgoda, S.D.; Warner, A.L.; Knap, H.T.; Matthews, B.F.  
AV DNAL (QH431.G452)  
SO Genome, Dec 2001. Vol. 44, No. 6. p. 1057-1064  
Publisher: Ottawa, Ontario, Canada : National Research Council of Canada.  
CODEN: GENOE3; ISSN: 0831-2796  
NTE Includes references  
CY Canada; Ontario  
DT Article  
FS Non-U.S. Imprint other than FAO  
LA English  
SL French

=> s rhg1 and soybean

L3 28 RHG1 AND SOYBEAN

=> dup rem l3

PROCESSING COMPLETED FOR L3

L4 16 DUP REM L3 (12 DUPLICATES REMOVED)

=> d ti 1-

YOU HAVE REQUESTED DATA FROM 16 ANSWERS - CONTINUE? Y/(N):y

L4 ANSWER 1 OF 16 AGRICOLA DUPLICATE 1  
TI Quantitative trait loci in two **soybean** recombinant inbred line populations segregating for yield and disease resistance.

L4 ANSWER 2 OF 16 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.  
TI Resistance to **soybean** cyst nematode: An Xa21-like gene family that requires possible dimerisation for signal transduction.

L4 ANSWER 3 OF 16 CAPLUS COPYRIGHT 2003 ACS  
TI Nucleic acid molecules and other molecules associated with **soybean** cyst nematode resistance

L4 ANSWER 4 OF 16 AGRICOLA DUPLICATE 2  
TI Physical mapping of resistant and susceptible **soybean** genomes near the **soybean** cyst nematode resistance gene Rhg4.

L4 ANSWER 5 OF 16 AGRICOLA DUPLICATE 3  
TI 'Forrest' resistance to the **soybean** cyst nematode is bigenic: saturation mapping of the **Rhg1** and Rhg4 loci.

L4 ANSWER 6 OF 16 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.  
TI Resistance to **soybean** cyst nematode: Bigenic inheritance and clustering with resistance to *Fusarium solani*.

L4 ANSWER 7 OF 16 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.  
TI Effect of the **rhg1** gene on life cycle of the **soybean** cyst nematode.

L4 ANSWER 8 OF 16 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. DUPLICATE 4  
TI Conversion of AFLP bands into high-throughput DNA markers.

L4 ANSWER 9 OF 16 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.  
TI Evolution of resistance breakdown and gene evolution: **Soybean** cyst nematode and **rhg1**.

L4 ANSWER 10 OF 16 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.  
TI Resistance to **soybean** cyst nematode: Bigenic inheritance and clustering with resistance to *Fusarium solani*.

L4 ANSWER 11 OF 16 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.  
TI Effect of the **rhg1** gene on life cycle of the **soybean** cyst nematode.

L4 ANSWER 12 OF 16 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.  
TI Functional genomics analysis of metabolic pathways conferring partial disease resistance.

L4 ANSWER 13 OF 16 AGRICOLA DUPLICATE 5  
TI Selecting **soybean** cultivars for dual resistance to **soybean** cyst nematode and sudden death syndrome using two DNA markers.

L4 ANSWER 14 OF 16 AGRICOLA  
TI Targeted isolation of simple sequence repeat markers through the use of bacterial artificial chromosomes.

L4 ANSWER 15 OF 16 AGRICOLA DUPLICATE 6  
TI Two simple sequence repeat markers to select for **soybean** cyst nematode resistance conditioned by the **rhg1** locus.

L4 ANSWER 16 OF 16 CAPLUS COPYRIGHT 2003 ACS  
TI *Aspergillus rhamnogalacturonase*, its manufacture with recombinant cells, and its use in plant cell wall degradation

=> d 5

L4 ANSWER 5 OF 16 AGRICOLA DUPLICATE 3  
AN 2002:45277 AGRICOLA  
DN IND23277590  
TI 'Forrest' resistance to the **soybean** cyst nematode is bigenic:  
saturation mapping of the **Rhg1** and **Rhg4** loci.  
AU Meksem, K.; Pantazopoulos, P.; Njiti, V.N.; Hyten, L.D.; Arelli, P.R.;  
Lightfoot, D.A.  
AV DNAL (442.8 Z8)  
SO Theoretical and applied genetics, Oct 2001. Vol. 103, No. 5. p. 710-718  
Publisher: Berlin; Springer-Verlag  
CODEN: THAGA6; ISSN: 0040-5752  
NTE Includes references  
CY West Berlin  
DT Article  
FS Non-U.S. Imprint other than FAO  
LA English

=> d 3

L4 ANSWER 3 OF 16 CAPLUS COPYRIGHT 2003 ACS  
AN 2001:526188 CAPLUS  
DN 135:117954  
TI Nucleic acid molecules and other molecules associated with **soybean**  
cyst nematode resistance  
IN Hauge, Brian M.; Wang, Ming Li; Parsons, Jeremy D.; Parnell, Laurence D.  
PA Monsanto Company, USA  
SO PCT Int. Appl., 1353 pp.  
CODEN: PIXXD2  
DT Patent  
LA English  
FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001051627	A2	20010719	WO 2001-US552	20010105
	WO 2001051627	A3	20020620		
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
PRAI	US 2000-174880P	P	20000107		

=> d his

(FILE 'HOME' ENTERED AT 09:07:42 ON 23 APR 2003)

FILE 'AGRICOLA, BIOSIS, CAPLUS, EMBASE' ENTERED AT 09:07:46 ON 23 APR 2003

L1 40 S RHG4 AND SOYBEAN  
L2 18 DUP REM L1 (22 DUPLICATES REMOVED)  
L3 28 S RHG1 AND SOYBEAN  
L4 16 DUP REM L3 (12 DUPLICATES REMOVED)

=> s (scn (a) sds) and soybean

L5 1 (SCN (A) SDS) AND SOYBEAN

=> d

L5 ANSWER 1 OF 1 AGRICOLA  
AN 97:63498 AGRICOLA  
DN IND20590165  
TI Integration of **SDS**, **SCN** race 3 and **SCN** race 14  
resistance QTL with the **soybean** genome map.

AU Abu-Threideih, J.; Chang, S.J.C.; Doubler, T.W.; Lightfoot, D.A.  
CS Southern Illinois University, Carbondale, IL.  
AV DNAL (aSB205.S7S6)  
SO Soybean genetics newsletter, May 1996. Vol. 23 p. 158-162  
Publisher: Ames, Iowa : Agricultural Research Service, USDA and Dept. of  
Agronomy and Dept. of Zoology, Iowa State University.  
ISSN: 1054-2116  
NTE Includes references  
CY Iowa; United States  
DT Article  
FS USDA  
LA English

=> FIL STNGUIDE

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
31.49	31.70

FULL ESTIMATED COST

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FILE CONTAINS CURRENT INFORMATION.  
LAST RELOADED: Apr 18, 2003 (20030418/UP).

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COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
1.38	33.08

FULL ESTIMATED COST

STN INTERNATIONAL LOGOFF AT 09:31:36 ON 23 APR 2003